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Sequence Listing was accepted.

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Reviewer: Anne Corrigan

Timestamp: [year=2009; month=9; day=17; hr=6; min=57; sec=16; ms=202;]

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Application No: 10594213 Version No: 2.0

Input Set:

Output Set:

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Finished: 2009-09-01 17:55:36.498
Elapsed: 0 hr(s) 0 min(s) 0 sec(s) 859 ms
Total Warnings: 2
Total Errors: 0
No. of SeqIDs Defined: 7
Actual SeqID Count: 7

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SEQUENCE LISTING

<110> Hopf, Carsten
Drewes, Gerard
Ruffner, Heinz

<120> Treatment of Neurodegenerative Diseases by the use of LAPTM4B

<130> 50125/151001

<140> 10594213

<141> 2009-09-01

<150> PCT/EP2004/013457

<151> 2004-11-26

<160> 7

<170> PatentIn version 3.5

<210> 1

<211> 317

<212> PRT

<213> Homo Sapiens

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Met Thr Ser Arg Thr Arg Val Thr Trp Pro Ser Pro Pro Arg Pro Leu
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Pro Val Pro Ala Ala Ala Ala Val Ala Phe Gly Ala Lys Gly Thr Asp
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Pro Ala Glu Ala Arg Ser Ser Arg Gly Ile Glu Glu Ala Gly Pro Arg
35 40 45

Ala His Gly Arg Ala Gly Arg Glu Pro Glu Arg Arg Arg Ser Arg Gln
50 55 60

Gln Arg Arg Gly Gly Leu Gln Ala Arg Arg Ser Thr Leu Leu Lys Thr
65 70 75 80

Cys Ala Arg Ala Arg Ala Thr Ala Pro Gly Ala Met Lys Met Val Ala
85 90 95

Pro Trp Thr Arg Phe Tyr Ser Asn Ser Cys Cys Leu Cys Cys His Val
100 105 110

Arg Thr Gly Thr Ile Leu Leu Gly Val Trp Tyr Leu Ile Ile Asn Ala

115

120

125

Val Val Leu Leu Ile Leu Leu Ser Ala Leu Ala Asp Pro Asp Gln Tyr
130 135 140

Asn Phe Ser Ser Ser Glu Leu Gly Gly Asp Phe Glu Phe Met Asp Asp
145 150 155 160

Ala Asn Met Cys Ile Ala Ile Ala Ile Ser Leu Leu Met Ile Leu Ile
165 170 175

Cys Ala Met Ala Thr Tyr Gly Ala Tyr Lys Gln Arg Ala Ala Trp Ile
180 185 190

Ile Pro Phe Phe Cys Tyr Gln Ile Phe Asp Phe Ala Leu Asn Met Leu
195 200 205

Val Ala Ile Thr Val Leu Ile Tyr Pro Asn Ser Ile Gln Glu Tyr Ile
210 215 220

Arg Gln Leu Pro Pro Asn Phe Pro Tyr Arg Asp Asp Val Met Ser Val
225 230 235 240

Asn Pro Thr Cys Leu Val Leu Ile Ile Leu Leu Phe Ile Ser Ile Ile
245 250 255

Leu Thr Phe Lys Gly Tyr Leu Ile Ser Cys Val Trp Asn Cys Tyr Arg
260 265 270

Tyr Ile Asn Gly Arg Asn Ser Ser Asp Val Leu Val Tyr Val Thr Ser
275 280 285

Asn Asp Thr Thr Val Leu Leu Pro Pro Tyr Asp Asp Ala Thr Val Asn
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Gly Ala Ala Lys Glu Pro Pro Pro Pro Tyr Val Ser Ala
305 310 315

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<213> Homo Sapiens

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Met Val Ser Met Ser Phe Lys Arg Asn Arg Ser Asp Arg Phe Tyr Ser
1 5 10 15

Thr Arg Cys Cys Gly Cys Cys His Val Arg Thr Gly Thr Ile Ile Leu
20 25 30

Gly Thr Trp Tyr Met Val Val Asn Leu Leu Met Ala Ile Leu Leu Thr
35 40 45

Val Glu Val Thr His Pro Asn Ser Met Pro Ala Val Asn Ile Gln Tyr
50 55 60

Glu Val Ile Gly Asn Tyr Tyr Ser Ser Glu Arg Met Ala Asp Asn Ala
65 70 75 80

Cys Val Leu Phe Ala Val Ser Val Leu Met Phe Ile Ile Ser Ser Met
85 90 95

Leu Val Tyr Gly Ala Ile Ser Tyr Gln Val Gly Trp Leu Ile Pro Phe
100 105 110

Phe Cys Tyr Arg Leu Phe Asp Phe Val Leu Ser Cys Leu Val Ala Ile
115 120 125

Ser Ser Leu Thr Tyr Leu Pro Arg Ile Lys Glu Tyr Leu Asp Gln Leu
130 135 140

Pro Asp Phe Pro Tyr Lys Asp Asp Leu Leu Ala Leu Asp Ser Ser Cys
145 150 155 160

Leu Leu Phe Ile Val Leu Val Phe Phe Ala Leu Phe Ile Ile Phe Lys
165 170 175

Ala Tyr Leu Ile Asn Cys Val Trp Asn Cys Tyr Lys Tyr Ile Asn Asn
180 185 190

Arg Asn Val Pro Glu Ile Ala Val Tyr Pro Ala Phe Glu Ala Pro Pro
195 200 205

Gln Tyr Val Leu Pro Thr Tyr Glu Met Ala Val Lys Met Pro Glu Lys
210 215 220

Glu Pro Pro Pro Pro Tyr Leu Pro Ala
225 230

<210> 5
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<212> PRT
<213> Homo Sapiens

<400> 5

Met Val Asn Tyr Ala Trp Ala Gly Arg Ser Gln Arg Lys Leu Trp Trp
1 5 10 15

Arg Ser Val Ala Val Leu Thr Cys Lys Ser Val Val Arg Pro Gly Tyr
20 25 30

Arg Gly Gly Leu Gln Ala Arg Arg Ser Thr Leu Leu Lys Thr Cys Ala
35 40 45

Arg Ala Arg Ala Thr Ala Pro Gly Ala Met Lys Met Val Ala Pro Trp
50 55 60

Thr Arg Phe Tyr Ser Asn Ser Cys Cys Leu Cys Cys His Val Arg Thr
65 70 75 80

Gly Thr Ile Leu Leu Gly Val Trp Tyr Leu Ile Ile Asn Ala Val Val
85 90 95

Leu Leu Ile Leu Leu Ser Ala Leu Ala Asp Pro Asp Gln Tyr Asn Phe
100 105 110

Ser Ser Ser Glu Leu Gly Gly Asp Phe Glu Phe Met Asp Asp Ala Asn
115 120 125

Met Cys Ile Ala Ile Ala Ile Ser Leu Leu Met Ile Leu Ile Cys Ala
130 135 140

Met Ala Thr Tyr Gly Ala Tyr Lys Gln Arg Ala Ala Trp Ile Ile Pro
145 150 155 160

Phe Phe Cys Tyr Gln Ile Phe Asp Phe Ala Leu Asn Met Leu Val Ala
165 170 175

Ile Thr Val Leu Ile Tyr Pro Asn Ser Ile Gln Glu Tyr Ile Arg Gln
180 185 190

Leu Pro Pro Asn Phe Pro Tyr Arg Asp Asp Val Met Ser Val Asn Pro
195 200 205

Thr Cys Leu Val Leu Ile Ile Leu Leu Phe Ile Ser Ile Ile Leu Thr
210 215 220

Phe Lys Gly Tyr Leu Ile Ser Cys Val Trp Asn Cys Tyr Arg Tyr Ile
225 230 235 240

Asn Gly Arg Asn Ser Ser Asp Val Leu Val Tyr Val Thr Ser Asn Asp
245 250 255

Thr Thr Val Leu Leu Pro Pro Tyr Asp Asp Ala Thr Val Asn Gly Ala
260 265 270

Ala Lys Glu Pro Pro Pro Pro Tyr Val Ser Ala
275 280

<210> 6
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<212> PRT
<213> Mus Musculus

<400> 6

Met Val Ser Met Thr Phe Lys Arg Ser Arg Ser Asp Arg Phe Tyr Ser
1 5 10 15

Thr Arg Cys Cys Gly Cys Phe His Val Arg Thr Gly Thr Ile Ile Leu
20 25 30

Gly Thr Trp Tyr Met Val Val Asn Leu Leu Met Ala Ile Leu Leu Thr
35 40 45

Val Glu Val Thr His Pro Asn Ser Met Pro Ala Val Asn Ile Gln Tyr
50 55 60

Glu Val Ile Gly Asn Tyr Tyr Ser Ser Glu Arg Met Ala Asp Asn Ala
65 70 75 80

Cys Val Leu Phe Ala Val Ser Val Leu Met Phe Ile Ile Ser Ser Met
85 90 95

Leu Val Tyr Gly Ala Ile Ser Tyr Gln Val Gly Trp Leu Ile Pro Phe
100 105 110

Phe Cys Tyr Arg Leu Phe Asp Phe Val Leu Ser Cys Leu Val Ala Ile
115 120 125

Ser Ser Leu Thr Tyr Leu Pro Arg Ile Lys Glu Tyr Leu Asp Gln Leu
130 135 140

Pro Asp Phe Pro Tyr Lys Asp Asp Leu Leu Ala Leu Asp Ser Ser Cys
145 150 155 160

Leu Leu Phe Ile Val Leu Val Phe Phe Val Val Phe Ile Ile Phe Lys
165 170 175

Ala Tyr Leu Ile Asn Cys Val Trp Asn Cys Tyr Lys Tyr Ile Asn Asn
180 185 190

Arg Asn Val Pro Glu Ile Ala Val Tyr Pro Ala Phe Glu Thr Pro Pro
195 200 205

Gln Tyr Val Leu Pro Thr Tyr Glu Met Ala Val Lys Ile Pro Glu Lys
210 215 220

Glu Pro Pro Pro Pro Tyr Leu Pro Ala

225 230

<210> 7
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<212> PRT
<213> Mus Musculus

<400> 7

Met Lys Met Val Ala Pro Trp Thr Arg Phe Tyr Ser His Ser Cys Cys
1 5 10 15

Leu Cys Cys His Val Arg Thr Gly Thr Ile Leu Leu Gly Val Trp Tyr
20 25 30

Leu Ile Ile Asn Ala Val Val Leu Leu Ile Leu Leu Ser Ala Leu Ala
35 40 45

Asp Pro Asn Gln Tyr His Phe Ser Gly Ser Glu Leu Gly Gly Glu Phe
50 55 60

Glu Phe Met Asp Asp Ala Asn Met Cys Ile Ala Ile Ala Ile Ser Leu
65 70 75 80

Leu Met Ile Leu Ile Cys Ala Met Ala Thr Tyr Gly Ala Tyr Lys Gln
85 90 95

His Ala Ala Trp Ile Ile Pro Phe Phe Cys Tyr Gln Ile Phe Asp Phe
100 105 110

Ala Leu Asn Thr Leu Val Ala Ile Thr Val Leu Val Tyr Pro Asn Ser
115 120 125

Ile Gln Glu Tyr Ile Arg Gln Leu Pro Pro Ser Phe Pro Tyr Arg Asp
130 135 140

Asp Ile Met Ser Val Asn Pro Thr Cys Leu Val Leu Ile Ile Leu Leu
145 150 155 160

Phe Ile Gly Ile Leu Leu Thr Leu Lys Gly Tyr Leu Ile Ser Cys Val
165 170 175

Trp Ser Cys Tyr Arg Tyr Ile Asn Gly Arg Asn Ser Ser Asp Val Leu
180 185 190

Val Tyr Val Thr Ser Asn Asp Thr Thr Val Leu Leu Pro Pro Tyr Asp
195 200 205

Asp Ala Thr Ala Val Pro Ser Thr Ala Lys Glu Pro Pro Pro Pro Tyr
210 215 220

Val Ser Ala
225